

1903

New Mexico



Vernon Bailey  
1903.

U.S. Dept. of Agr.  
Biological Survey

1834 Kalorama Ave.  
Washington, D.C.



May 16

Washington 10 A.M.

Cumberland 2 P.M.

Parkerburg 9 P.M.

May 17

Daylight in Indiana

St. Louis 1:35

Kansas City 9:30 P.M.

" left at 11 P.M.

May 18

Pratt, Kansas 9:45 A.M.

Open plains, good wheat  
+ grass.

Scissor Tail flycatcher,  
one at Pratt.

Yucca glauca, a few. The first  
Erythropis in flower

Tridacenia

Castilleja yellow, abn.

Geomys hills - abn.

Harvard

Bucklin 11:30

Opuntia common

Plantago "

Moluestrum coccineum

Alium - pink - abn.



Oxytropis abn.  
Short grass -  
Yellow Eschscholzia like flowers, abn.  
Tumble weeds, old by fence

Jack rabbit, melanotis 1  
Agropyron abn., all along  
S. 13 lin. Kalchelus, abn.  
Group hills

Sporoglyto 1  
Sturnella - all along  
Otocoris "  
Zenaidura "  
Melanerpes a few flocks

Artemisia filifolia, abn., along  
both sides of the  
Cimarron valley  
Arkellon

Beaver Cr.

Geyman = Texoma

Texoma, a few little houses & school on  
big, dry prairie.

Dalhousie 7 P.M.

Santa Rosa, 1 P.M. night.

May 19

Santa Rosa -

Sent Surber 30 mi. S.W. to  
Davis Ranch - for back  
Went 8 mi. N. to ranch of  
Mr. Mott to look at horses.

May 20

May 22 East to well &  
to river.

May 23

Out to Mott's place  
Camp

May 24 Sunday



May 25 Mott's Ranch

*Pinus edulis*

*Juniperus*

*Quercus*

*Populus monilifera*, along streams

~~*Fragaria*~~ *repens* " "

*Sabice* " "

*Celtis*

cliffs

*Vitis*

*Rhus trilobata* in gulch

Mesquite on warm slopes

*Opuntia arborescens* abn.

*Opuntia engelmanni* com

" white spines abn.

" leptocaulis, on S. slopes

" bigger than leptocaulis

*Cereus paucispinus*?

"

*Mammillaria heyderi*?

~~*Sapindus argenteatus*~~

~~*Baccharis confertiflora*~~, com. in gulch

*Telia trifoliata* " "

*Nequendo acerophyllum*, along Pecos

*Fallugia paradoxa*

*Atriplex canescens*

*Lycium "macrophylla"*

*Nolina*

*Yucca baccata*

" glauca

*Minwoodium humifera*, com.

*Gutierrezia euthamiae*

*Artemisia tridentata* "minor"?

*Morus parvifolia*? in gulch



Santa Rosa New Mexico

May 19 - 23 - 31

*Oxyechus vocifera*, com  
*Actitis macularia* 2 by creek  
*Clypeata spatulata* 1 ♂, May 21  
*Ardea herodias* 2 " "  
*Numenius longirostris*, <sup>seen</sup> ~~seen~~ <sup>24</sup> ~~30~~  
*Cathartes*, com  
*Zenaidura* "  
*Buteo swainsoni* 3 E  
" *calurus* 1  
*Falco sparverius* a few  
*Zonotrichia leucophrys*, com.  
*Pipilo maculatus* "  
*Falco mexicanus* out of Motts  
nest on cliff.  
*Bubo pallasi* nesting  
*Chordeiles*  
*Arremonops melanotos* 2  
*Tyrannus vociferans* ? com  
"  
*Sayornis saya*  
3 nests, on cliff & in well  
*Sayornis phoebe* & nest  
*Contopus richardsoni*, com  
*Empidonax* "  
*Otocoris occidentalis*, breeding  
*Aphelocoma* a few  
*Cyanocapalus*  
*Corvus sinuatus*, a pair & nest

*Molothrus ater*  
*Xanthocephalus* 2, May 19.  
in town.

*Cyanocap*  
*Stelgidopteryx*, 1, May 20.  
*Sturnella neglecta*, com.  
at Santa Rosa.  
*Arremonops* a few.  
*Pipilo maculatus* com  
*Chordeiles* com  
*Carpodacus frontalis* "  
*Peucaea cassinii* reported by  
surbur south of town.  
*Actinagallus* 2  
*Passerina amoena* 1 reported  
by surbur.  
*Habia melanophthalma*, 1 ♂ May 22  
*Amphispiza bilineata*, a few.  
*Dendroica auduboni*, a few.  
*Geothlypis tolmiei* com.  
" *trichas* or. a few.  
*Wilsonia pilolata* com.  
up to May 28.  
*Virens poliopterus*, com  
*Salpinctes* com. breeding  
4 nests -  
*Catherpes* 1  
*Otocoris* com.  
*Psittiparus plumbeus* com.  
feeding young.



*Sturnella arizonae* 1  
*Icterus parisorum* a few  
 " " "

*Hylocichla* a few seen  
*Zonotrichia alpestris* a few  
*Thryomanes* a few

*Vireo*  
*Tamias eximius*, several  
*Troglodytes aedon*, com.  
*Petrochelidon* - nests, abn.  
*Hirundo* + nests, com.  
*Passer domesticus* in town  
*Phalaenoptilus* heard

*Dryobates s. bairdi*, breeding  
*Agelaius phoeniceus* June 2, com.  
*Riparia riparia* " com.  
*Aythya collaris* " 2  
*Ereunetes pinnatus* " 1 ♀  
*Anas platyrhynchos* " 12  
*Chrysotis spatula* " 50  
*Fulica* " 2  
*Podilymbus podiceps* " 1

Santa Rosa, 4620  
 Camp 4750

June 9.  
 Camp 9, A.M.

Lunch, 8 mi. 5000  
 Top of ridge 5100  
 Cuervo 5000  
 Camp near Cuervo "  
 Came 20 miles.

June 10  
 Rained, staid around camp  
 June 11 " " "  
 Sent Surber to town

Golden eagles, nest + birds.  
 Bones under nest of  
 Jack rabbit,  
 Cottontail  
 Prairie dog  
 Cratogeomys  
 nest photographed with pk.

June 14 moved camp to  
 Point of Plains.  
 June 15.  
 Up Canyon + basin.



June 16, up on top of Plains

June 17 Back on plains  
Top of Plains plants

*Opuntia arborescens* abn.  
*Yucca glauca* com.  
*Opuntia arenaria?* abn.  
*Gutierrezia uttamiae* abn.  
*Petalostemon violaceus*  
*Polygala alba?*  
*Suaeda frutescens*  
*Astragalus caryocarpus* a few  
*Oenothera hartwegii* yellow, com.  
*Pentstemon jamesii* big "  
*Stipa* small, 2 sp.  
*Gramma*  
*Hordeum*  
+ many other grasses.  
*Artemisia*

"  
*Gaura parviflora*  
*Asclepias jamesii?* big  
*Asclepias decumbens*, narrow leaf.  
*Malvastrum coccineum*  
*Solanum spissum*  
*Verbena*

Campers + Gulch + rock plants.

*Pinus edulis*

*Juniperus*

*Quercus*

*Rhus tinctoria*

*Prunus chinkapin*

*Ailanthus*

a few

*Ampelopsis*

"

*Yucca baccata*

abn.

" *glauca*,

"

*Cercocarpus parvifolius*, abn.

*Nolina*

*Castilleja*

*Amorpha*

glabrous shrub



Bottom of valley plants.  
*Prosopis juliflora* abn.  
*Rhus microphylla* "  
~~Bumelia~~ *Sapindus emarginatus* -  
*Atriplex canescens*  
*Eurotia*  
*Opuntia engelmanni cyclodes*  
 " *leptocaulis*  
 " *kleinii*  
*Lycium pallidum?*  
*Sala formosa*  
~~Acacia~~  
*Nimosa humifera*  
*Krameria cernuiflora* com  
*Mentzelia* a few  
*Euphorbia*  
*Cucurbita*

June 18

Arrived at Tucumanari 4150  
 Camp 4750

June 19. River

Camp 4800  
 Top of Point of Plains 5900

June 20 Broke camp 8:30 AM

Arrived at Camp 4750  
 On ridge 5200  
 Camp 4800  
 Came about 25 miles

June 21 Camp 8 AM 4800  
 Sapindus Camp 9 AM 4700  
 about 4 miles



June 22 Camp 8 am. 4500  
Canadian R. Canyon

*Populus monilifera*  
*Sapindus*  
*Prosopis*  
*Rhus trilobata*  
*Rhus microphylla*  
*Quercus* scrub live oak,  
*Juniperus*  
*Pinus edulis*  
*Ptelea tripholata*  
*Prunus*  
*Lyssim. pallidum*  
*Opuntia arborescens*, in flower  
*Opuntia engelmannii* var  
*Opuntia arborescens?*  
*Yucca glauca*  
*Salix purpurea*  
Negundo, along river

June 23 Camp, 10 AM 4800  
Lopaville 4 mi.  
up Little Luerro Cr.

Camp on plains 5600  
Cattle about 20 miles.

June 24. 8 am 5500  
Cobra Spr. 4 mi. 5500  
Camp 6000

June 25. Camp 5700  
Aimokhila 6500  
Mesquite S.W. up to 6500  
Pinus ponderosa 7000-  
Lift bones 7000  
Top of ridge 7300  
Plains 7400  
Father's back about 7500  
Artemisia frigida on top 7400  
Psoralea " "  
Quercus  
Cercocarpus parvifolia 6500 = 7400  
Juniperus  
Pinus edulis  
Rhus aromatica  
Yucca baccata at 6500-7300  
" glauca to 7400



*Aimophila* <sup>580a</sup> a few 6500  
*Hirundo* 432 1 7300  
*Dendroica gracia* <sup>664</sup> com 7000-74  
*Vireo plumbeus* <sup>629b</sup> com 7400  
*Pipilo arctica* <sup>588</sup> com "  
*Oreospiza* ? 592.1 "  
*Colaptes* 413 heard 7400  
*Melanerpes torquatus* <sup>408</sup> 1 7400  
*Spizella arizonae* <sup>560</sup> com "  
*Cyanocitta* 478 com "  
*Phainopepla hepatica* 1609 "  
*Sitta aculeata* 1727 "  
 " <sup>730</sup> pygmaea com. "  
*Sturnella neglecta* <sup>501b</sup> com "  
*Dryobates* 393 7300  
*Myiarchus cinerascens* <sup>454</sup> 7400  
*Zyanus vociferans* <sup>448</sup> "  
*Psaltis plumbea* <sup>744</sup> com "  
*Chondestes* 552 "  
*Sialia* <sup>715</sup> com. + yg. "  
*Icterus bullocki* 508 7000  
*Catherpes aura* 325 7400  
*Foies sparverius* 360 7300

*Lepus pinetis* 7400  
*Eutamias* com 650-7400  
*Odocoileus* tracks "  
*Peromyscus grammurus* 1 "  
 "

back to horses 7100  
base of slope 6000  
back to camp "  
 "

*Nolina* to 7400  
*Opuntia arborescens* S.W. to 7300  
 " white spined " 7400  
 " cyclocha? S.W. " 7000  
*Cereus* 7000 - 7500



June 26

Back to near Capra Spr.  
Cottonwood Camp.

Subscriber went to Santa Rosa  
June 27. Subscriber returns

June 28.

Capra Spring  
camp near Gallinas Spr.

June 29

Gallinas Spring

Excursion

Antone Chico

Camp 5 miles beyond.

June 30

La Questa room.

up Pecos River

Rosa

Negundo

Vitis

Salix

Populus monstrosa

Prunus - chokecherry,

Nettle

Pinus edulis

Juniperus

Quercus

"

Rhus aromatica

Nolina

Yucca glauca

Pinus ponderosa, a few  
3 mi. S of La Questa.

Ribera

Populus nigristylis then

July 3.

Camp 4 a.m.

Fulton

Pseudotsuga in shape

Pinus ponderosa

Pinus edulis

Juniperus flaccida? com

" monosperma abies

Pajarito

Rowe

Camp 3 mi. beyond Rowe



July 4

Camp

*Perognathus*

*Perodipus*

*Thomomys*

*Cynomys gunnisoni*

" *ladocianus*

Peas 3 mi.

*Lupinus*

*Gilia argigata*

*Castilleja*

*P. hox*

*Populus angustifolia*

*Quercus* - *lobata* var.

" *Gambelii* com

*Juniperus monosperma* com

" *flaccida* 1 "

*Pinus ponderosa* 1 "

" *resinosa* 1 "

*Pseudotsuga*

Glenn 7 mi. 8150

Canyon City 3 mi. 7700

Camp 1 mi. 7800

July 5 Camp, 8. 7350

Top of hill

8400

Highest ridge

8250

Santa Fe

7800

July 6 Santa Fe all day

July 7

Santa Fe

7700

Glenn

(8250)

Correct alt - (7423)

" 2 mi. E of Glenn

Camp correct alt 7100

### Santa Fe Mammals

*Eutamias*

*Spermophilus grammurus*

*Peromyscus truei*? 1.

*Peromyscus truei* 2 at Canyon City.

*Neotoma micropus*

" ?

*Onychomys pallidus* 1

*Dipodomys spectabilis*, com.

*Perodipus montanus* 1. com

*Perognathus* sp. 1.

*Lepus arizonae* 1

*Lepus texianus* 1

*Canis latrans* com.



Glorieta Mammals

Eutamias com.  
 Spermophilus grammurus "  
 Peromyscus gambeli "  
 " truei? a few.  
 Mus musculus in wagon  
 Peromyscus fallax? com -  
 " fuscus, said to be here.  
 Perognathus sp. nov. 2.  
 Lepus arizonae? 1 seen.  
 Canis latrans, heard, 1 dead  
 Mephitis tracks seen.  
 Badger " "  
 Thomomys abn.  
 Vespertilio fuscus com.

Glorieta N.M., July 7-11.

Pinus ponderosa  
 Pinus edulis - on S. slopes  
 Pseudotsuga on N. slopes 7400-  
 Juniperus monosperma \$7500  
 " flaccida \$ "  
 Quercus gambeli  
 " live oak scrub.  
 Populus angustifolia  
 Salix  
 Ribes  
 Rosa  
 Rhus trilobata  
 Ceanothus a few  
 Berberis? along creek  
 Bigelovia canescens  
 " albicaulis  
 Artemisia ludoviciana  
 " frigida  
 Gutierrezia  
 Aster  
 Lupinus  
 Astragalus  
 Pentstemon scarlet  
 " blue  
 " whitish  
 Geranium  
 Monarda  
 Monardella  
 Achillea  
 Fragaria



*Malva asperifolia*

*Linnaea baccata*, a few  
herbaceous

Verbena

Picas. x up street July 1902

*Junco hyemalis*

✓ Read

*P. solutus*

49 *permoda*

*Pseudotsuga*

*Lappula angustifolia*

*Stelma ciliatella*

*Myrica aspidophylla*

no yardly

*P. carnes, Apteris*

Albes & Rubes

republicans

18. 1892

*Longer than*

7. 1848. M. 1848.

Delphic

12/19

*Polioptila caerulea*

*Ribes graciliflorum* Griseb.

*Pinus strobus* 1/4

*Utricularia* 12m

Therapsids

*Sisyrinchium*

*Juniperus procumbens* H.



Phlox

malvaceae

Opuntia

Quercus laevis, a few

Verbena



Picea x up 10/18 July 18

Juniperus horizontalis

placida

Pinus edulis

" ponderosa

Pseudotsuga

Populus angustifolia

Salix alba

" nigra

Nyssa acuminata

Quercus gambelii

"

Prunus serotina

Alnus

Ampelopsis

Abies

Symphoricarpos

Spiraea

Philadelphus

Picea

Populus tremuloides

Ribes

S. latifolia

Cineba

Cyanolista

Scirpus

Pinus strobus

Arctostaphylos

Thymopsis

Sisyrinchium

Juniperus procumbens



*Acer glabrum* up 8 mi.  
*Fraxinus glauca* 12  
*Berberis repens* "  
*Lupinus holosericeus* " 1  
*weatbrants*

July 12 Sunday,  
 moved camp 3 miles up  
 to 4 mi. below Willis.  
 on island at mouth of  
 Christina River.

July 13 up to Willis &  
 back to camp

July 15 up to game reserve  
 Anthony Dockweller &  
 up Mosa Cr. & back to  
 back to camp

July 16 down to Pecos & back  
 Spins pins 2 at Fiddley  
 Clavus an - 7 below on  
 Q Macho

Dalton Cr.  
 Pinus edulis up edge  
 on South slope

Juniperus nigropurpurea 7  
 " *flaccida* 10  
 Lutea 10



Bridge, mi. W. Dalton, Cr.  
lower edge of  
Picea - on N.E. slope  
Abies

July 17 & 18, Rivera Camp,

Pinus ponderosa - 9700  
Pseudotsuga - 10300  
Picea parryana - 9000  
Abies lasiocarpa, subcones - 12400  
" concolor grisecones - 10000  
Juniperus procumbens  
Populus ~~angustifolia~~ <sup>angustifolia</sup>  
" tremuloides  
Quercus gambeli  
Salix cordata  
Alnus incana  
Acer glabrum  
Shepherdia canadensis  
Arctostaphylos uva-ursa  
Symphoricarpos  
Spiraea dumosa  
Physocarpus Edmonstonei  
Rosa  
Ribes d. irriguum  
" mexicanum? "virid"  
Cornus asperifolia  
Potentilla fruticosa  
Rubus nutkanus  
Rubus strigosus, andraphyllum  
Lonicera involucrata

Fragaria speciosa - 10000  
Castaleia  
Achoyenum  
Gelba agrigata longiflora  
Helenium Wyllbia?  
Companula uniflora  
"  
Geranium  
"  
Myrtensia  
Myasotis  
"Margurite"  
Pentstemon bridgesii (exalt)  
Achillea millefolium  
Fragaria glauca  
" vesca  
Sisyrinchium amercatum  
Thermopsis montana  
Pachystima myrsinites  
Sidalcea? white  
Cereus on rocks  
Yucca baccata, a few on cliffs.  
Berberis ripens  
Berberis fendleri "spatulata"  
Ceanothus fendleri  
Stipa robusta  
Cnicus undulatus - 9000+



July 31 up Baldy

Camp 11000 9:30 AM

Drier meadow 11500

Lake 11600

Ridge 12100

*Artemisia borealis*

*Geranium rossii*

*Potentilla gracilis*

*Primula parryi*?

" *angustifolia* small

*Salix reticulata*

Lunch 12500

Pinas Baldy - top 12600

*Gymnophytum* "

*Artemisia nardifolia*

*Geranium rossii*

*Orthocarpus*

*Helenium*

*Draba alpina*

*Carex*

*Artemisia borealis*

*Sibaldia procumbens*

*Sedum douglasii*; red.

*Silene acaulis*

*Saxifraga hypnoides*

*Sedum douglasii*

*Rumex*

*Catalpa septentrionalis*

*Pentstemon gracilis*

*Potentilla glabra*?

*Sedum* (red)

9

*Picea engelmannii* (extreme) 12500

*Juniperus ~~procumbens~~ alpina* "

*Vaccinium microphyllum* "

*Potentilla fruticosa* "

*Antennaria alpina* "

*Agrostis filiformis* "

*Hieracium* "

*Pinus balfouriana* 12400

*Solidago* "

*Achillea alpina*?

*Stellaria* top "

*Entamoeba*, 1st, "

Up to east peak of Baldy 12600

More snow, same plants.

*Silene acaulis*

*Ochotona* (killed, com)

*Arctomys* sign. com,

*Picea engelmannii* S.W. 12500

*Juniperus ~~procumbens~~ alpina* "

*Agrostis caerulea* Sw. 12400

*Allium* "

*Myrica alpina*?

*Veronica alpina* "

*Conium maculatum* "

*Cardamine* "

(*Orthocarpus* (Lewin)) 12000

(*Pedicularis parryi*)



*Zygadenus elegans*? 12400  
*Erigeron* "  
*Ribes oxycanthoides* "  
*Sium* "  
*Abies lasiocarpa* "  
*Abies concolor* "  
 Humus

Ridge above lake 12200  
*Delphinium occidentale* "  
*Castilleja* red "  
~~*W. p. p.*~~ *W. p. p.* "  
*Veratrum* "  
*Polygonum bistorta* "  
*Pedicularis groenlandica* "  
 Junco "  
*Trifolium gymnocarpon*? red "  
*Salix alpina*? "  
 Horus 12000

*Polomonitans humilis*, small "  
*Primula parryi* "  
 " *argutifolia* small "  
 Lake 11600

Deer meadow 11400  
 Camp 11200

Aug. 3 Camp 9:30, 11000.  
*Pinus* <sup>aristata</sup> *fouriana* 10700 - 10800  
 on Royal Mountain

Corral 10500

*Pseudotsuga* S.W. apex - 10400

*Salix cordata* " " - "

*Symphoricarpos* " com - 10300

*Rubus nutkanus* " - "

*Rosa* " "

*Physalis* " "

*Pachystima* " "

*Arctostaphylos* " "

*Epilobium spicatum* " "

*Abies concolor* " "

*Pinus flexilis* " 1 "

*Spiraea* " "

*Physocarpus* " "

*Pinus ponderosa* " apex, 1. "

*Berberis pinnatifida* " "

*Ribes irriguum* " "

*Rubus* red 1. "



Aug. 4

Surber down to Willis

Huffs Cabin 8500

Trail leaves Peas 8750

Top of mesa 10200

Camp 11000

Aug. 7. Up to Lake

Hydrochelia Camp 11000

Camp by Lake 11600

Lagomys bay Aug. 9.

*Erigeron* *erectus*

*Lupinus occidentalis*

*Achillea* *millifolium*

*Aster* ? purple

*Erigeron*

*Asquithia* *cerulea*

*Pentstemon* *gracilis*

*Veratrum* *californicum*

*Potentilla* *fruticosa*

*Geranium*

Grass 9 species

*Polygonum* *bistorta*

*Eriogonum*

*Carex*

*Hieracium*

*Potentilla* like *anserina*

*Artemisia*

*W. yuthica* like *apophysalis*

Another stack on N slope

largely clover & grass

Grass 2 new species & some of others

*Catthar leptocarpa*

*Saxifraga*

*Jun. nassii*

*Cymopterus*

*Silene acaulis*

Another stack

*Oxaria dygma*

*Oxaria dygma*

12000 ft.



Plant Catalogue - 1903

79.

505. *Mamalaria mydri?*

Santa Rosa, N.Mex. May 19,

506. *Cereus paucispinus?*

Santa Rosa - May 19

507. *Dalea spicosa?*

Santa Rosa, May 19

508. *Juniperus monosperma*

Rivera, N.M. July 2.

509. *Juniperus flaccida*

Rivera, N.M. July 2.

510. *Juniperus flaccida*

Fulton, N.M. July 3.

511. *Franseria canescens*

Pajarita Valley, N.M. June 17

512. *Artemisia* *longifolia?*

Highest point of Llano Estanco

N.M. June 17,

513. *Artemisia* *longifolia?*

514. *Gutierrezia euthamiae?*

515. *Erigeron?*

516. *Aster* pinkish white flowers

517. *Grindelia* like

518. *Oenothera* yellow

519. *Dalea*



519. *Gaura*

520. *Pentstemon*

521. *Malvastrum coccineum*?

522. *Verbena*

523. *Teucrium* white flower

524. *Astragalus*

525. *Delia* purple

525. *Delia* yellow

526. *Asplenium septentrionale*  
Point of Las Estrellas, N.M.  
June 17, 1903

527. *Asplenium septentrionale*  
Same place as last

528. Las Vegas, N.M.

Aug. 31,

528 - 531

530. *Gaura*

529. *Verbena*

531. *Teucrium occidentale* - labiate

528. *Lithium occidentale* - labiate

532. *Lepachys*? orange flower

Burn L, N.M. Aug. 27

533. *Quercus* "crenata"

534. *Quercus virginiana*, acorn?

535. *Plantago* p. *grapholoides*

536. *Verbena*

537. *Lithospermum*

538. *Castilleja* *canadensis*

539. *Phlox*

540. *Malvastrum*

1. *Artemisia* *filifolia*

2. White aster like *Compositae*

3. *Crassinea* *grandiflora*?

4. *Chrysopsis* *monticola*

5. *Gutierrezia euthamiae*

6. *Liatris*

7.

Pecos River, N.M.

Aug. 23. 7500 ft.

547. *Berberis*

8. *Margarita*

9. *Geranium*? or *Erodium*

550. *Solidago*

1. *Chrysothamnus*?

Pecos R., N.M. July 17. 8000 ft.

552. *Compositae*

55-2. *Sidalcea*

3. *Aconitum*

4. *Rosa* *glaberrima*

Aug. 19

5. *Rosa* *hairy*

6. *Physocarpus*?

7. *Companula*



559. Castilleja

560. Patentilla

1. Patentilla

2. "

Pecos Baldy, N.M., 11000 ft.  
July 29 + 30

563. Senecio trigonophylla?

4. Wyethia like amplipetala

5. Helianthella

6. <sup>Erigeron</sup> Solidago

7. Erigeron white

8. Solidago blue

9. Valerian white

570. Allium big

1. Patentilla

2. Geranium

3. Calliostema

4. Pseudocymopterus montanus western

5. Myrtensia tall

6. Castalia red

7. Castalia white

8. Huchera?

9. Vicia

580. Pedicularis racemosa

2 Monarda uniflora

1 Viola blue

3. Aconitum small

4. Achillea millefolium?

Pecos Baldy, N.M. 11600 ft  
Aug. 8 - 14,

585. Senecio

6. Pentstemon gracilis blue

7. Pedicularis groenlandicus

8. " yellow

9. Polemonium humiliflorum, blue

590. Senecio

1. Senecio?

2. Gentiana frigida

3. Gentiana parryi, basal

4. Gentiana serotina, purple

5. Draba

6. Delphinium

7. Aquilegia canadensis

8. Saxifraga flagellaria

9. Campanula (campanula?)

600. Veronica shrubby

1. " big shrubby

2. " tiny

3. Polemonium big blue

4. " confertus?

5. Pedicularis racemosa

6. " yellow

7. Trifolium gymnocarpon, big red.

8. Castalia red

9. " yellow

610. Orthocarpus pink

611. Saxifraga viridifolia?

612. Ligusticum white.



Aug. 10 Camp 8 am. 11600

Saddle 12000

Basin 11200

Populus tremuloides 11200

Salix cordata 11200

11000

Corral & old Cabin

Thermopsis montana 10700

Rubus nutkanus "

Pseudotsuga "

Pachystima, a little, "

Pinus flexilis 1 little tree 10600

Acer glabrum "

Antennaria pulcherrima "

Holo

Spiraea 2 sp. "

Mouth of Baldy Canyon 10400

Abies concolor Sw. 9700

Arctostaphylos uva-ursi 10200

Sidalcea white "

Epilobium spretum "

Saxifraga alpina O.E. on rocks 10000

Alnus incana "

Gilia aggregata 9700

Mouth of Creek from Trenches "

Cabin at fork of Cr. "

Junonia pinguis "

Pinus ponderosa Sw. 9400

Berberis repens "

Rosa "

Amelanchier alnifolia "

613. Rhodiola polygama

614. Clementsia rhodantha

Pecos Baldy, N.M. 12000 ft

Aug. 14, 1903.

615. Orthocarpus pink

6. Oxytropis

7. Saxifraga nivalis?

8. Trifolium nanum little

Pecos Baldy, top - 12600 ft

July 31

619. Rhodiola integrifolia

620. Sedum stenopetalum

1. Saxifraga

2. Saxifraga

3. Saxifraga bronchialis

4. Saxifraga flabellata

5. Saxifraga chrysantha

5. 6. Potentilla nivalis?

7. Acunaria nudiflora

8. "

9. Silene acaulis

630. Sibbaldia procumbens

1. Ligusticum eastwoodi Rose.

2. Polygonum bistorta viviparum

3. "

4. "

5. Solidago

6. Aster

7. Antennaria

8. "

9. Draba

640. Orthocarpus pink



Top of Truchas Peak, N.M.

Aug. 11, 1903.

13306 ft

641. Grass

2. "

3. *Myosotis alpestris*

4. *Primula angustifolia*

5. *Clatonia megarriza*

6. *Ranunculus macandrewi*

7. *Saxifraga chrysanthus*

8. *Peronychia pulvinata*

9. *Little bluedaisy*

650. *Draba*

Moreno Valley, N.M. 8500 ft

Sept. 19, 1903.

651. *Tetradymia*

2. *Regeliana*

3. *Regeliana*

4. *Regeliana*

5. "

6. "

7. *Eurotia lanata*.

Pecos Baldy, N.M. 12600 ft

July 31.

658. *Salix reticulata*

Same - 11600 ft Aug. 14.

659. *Salix*

660. *Salix*

Same - 11000 ft July 29

661. *Salix*

Pecos River N.M.

Aug. 9, 1903.

662. *Salix*

663. *Ribes cereum*

Glorieta, N.M. July 9, 7200 ft

664. *Ribes cereum*

Zaos, N.M. Sept. 25, 7700 ft.

665. *Ribes cereum*

Coyote Creek, N.M. Sept. 8,  
8000 ft.

666. *Ribes leptanthum* - black  
Hondo Canyon near Zaos, N.M.

Sept. 25, 7800 ft

667. Coyote Creek, N.M. 8000 ft

*Ribes leptanthum* -

Sept. 8, 1903

668. *Ribes coloradense* Coville

Whites Peak, Taos Mts, N.M.

Sept. 25, 1903. 11300 ft

669. *Ribes woffii*

Whites Peak, Taos Mts, N.M.

Sept. 25, 1903, 11000 ft

670. *Ribes woffii*

Pecos Baldy, N.M.

July 29, 11000 ft

671. *Ribes lentum*

Pecos Baldy, 12000 ft

July 31, 1903.

672. *Ribes lentum*

Whites Peak, Taos Mts. 11300 ft

Sept. 25, 1903



Sent to Mr. Shaw Jan. 1904

673. Pinus edulis? Rock Springs Tex.  
with 2 slender leaves July 14, 1902
674. Pinus edulis? Davis Mts. Tex. July 14  
2 slender leaves 1901
675. Pinus edulis? Davis Mts. July 1901
676. Pinus edulis Capitan Mts.  
leaves 2, short & stout.
677. Pinus edulis Guadalupe Mts.  
Sept. 27, 1901.
678. Pinus flexilis Chisos Mts.  
1900.
679. Pinus flexilis, Sierra Blanca  
10000 ft. New Mex. 1902
680. Pinus flexilis head of Pecos;  
Aug. 22, 1903
681. Pinus b. aristata,  
Pecos Baldy, N.M. Aug. 3, 1903  
10200 ft.
682. Pinus tedea Houston, Tex.  
June 23, 1902.
683. Pinus edulis Houston, Tex.  
June 23, 1902.

<u>Physocarpus</u>	9700
<u>Arctostaphylos</u> , com.	9300
<u>Prunus virginiana</u>	"
<u>Quercus gambeli</u>	"
<u>Rhus glabra</u> , scrub	"
<u>Oenothera biennis</u> ?	"
<u>Shepherdia canadensis</u>	"
<u>Ceanothus fultoni</u>	"
<u>Clematis</u>	"
<u>Populus trem.</u>	sw. 9700-
<u>Pinus flexilis</u>	" " - 10600
<u>Abies concolor</u>	" " -
<u>Pteris</u>	" - 9700

88  
685. Gentiana

Black Lake, N.M. 8400 ft. Sept. 10.

686. Gentiana

Zaos Mts. E. slope at 8900 ft. Sept. 19.

687. Gentiana

E. slope Zaos Mts. 8900 ft. Sept. 19.



Aug. 11, Camp 11600  
 Saddle 12000  
 Left horses 10:30 12300  
 Timber Peak 12. 13000

Plants on top

Orthocarpus pink  
 Castilleja yellow  
 Myasotis alpestris  
 Silene acaulis  
 Gen. russii  
 Sibaldia procumbens  
 Artemisia borealis  
 Draba alpina  
 Saxifraga affinis bronchialis  
 Saxifraga chrysantha  
 Arctostaphylos alpina nardifolia  
 Stelleria  
 Helianthus hookeri?  
 Heuchera  
 Gentiana (white) frigida  
 Carex  
 Luzula  
 Sedum red  
 Asplenium  
 Primula? (little blue) angustifolia

100 feet below summit

Orthocarpus - yellow  
 Erigeron? yellow  
 Myosotis  
 Oxyria digyna  
 Potentilla fruticosa

Grass - 3 sp.

Lunch

12600  
 Elymus thickskin S.E. 4  
 Picea engelmanni "  
 Juniperus communis <sup>alpina</sup> "  
 Polygonum "  
 Cladophora euphratica "  
 Myadestes "  
 Anthus 13306  
 Falco sparverius "  
 Arctomys "  
 Ochotona "  
 Thomomys "  
 Aquilegia blue 12400  
 Crataegus woolly "  
 Pentstemon gracilis "  
 Red timberline S.W. 12300  
 Pinus balfouriana cristata "  
 Picea engelmanni "  
 Vaccinium microphyllum "

Timber Peak, Surber. Aug. 12

Claytonia virginica  
 Ranunculus maculatus



Top of Baldy, Aug. 13.

~~Caltha leptosepala~~

*Salix reticulata*

*Gentiana frigida*

*Polygonum viviparum*

*Potentilla fruticosa*

*Orostachys* - lousewort

*Picea*. 1 little one 10 feet of top.

Aug. 17 Left upper camp 9 am

Camp at lake

11600

*Senecio* - brown

"

*Arctostaphylos*

11400

*Quercus*

"

*Salix*

"

*Arctostaphylos*

"

"

"

Lower edge of park

"

*Physalis*

11200

*Vetch*

"

*Castilleja*, crimson

"

*Potentilla* anemone

10400

Lower edge of park

10100

*Fragaria* *virginiana*

"

*Pseudotsuga*

"

*Galeum* - fine, white

"

*Rubus* *nutkanus*

"

*Quercus*

E. 9800

*Pinus ponderosa* *arpa* E.

"

" " " S.E. 9700

*Galium* *agrostoides*

9800

*Allium*, tall

"

Point of ridge

9700

*Castilleja*, (crimson)

"

*Maqui*

"

Edge of *penetration*

"

Wagon

8500

Foot of *Picea*

8000



Aug. 18, worked on plants.

Aug. 19 Camp 1 PM 8000  
D. dewilliers 8000  
top of ridge 9000  
top of canyon 9200  
Camp near 8400  
Otero's

Aug. 20, wrote reports.

Aug. 21, down river.  
Camp 8000  
Hamiltons 8000  
Fields 7800  
Camp above El Macho 7400

Aug. 24 Camp 7400  
El Macho "  
Dalton Creek 7300  
Press 6900  
Camp 6800  
El Macho 7300  
Verbena bracteosa "  
Malvastrum munroanum "  
Bigelovia albicaulis? "  
Cleome "  
Juniperus monosperma "  
" flaccida "  
Pinus edulis "  
Quercus vir. minor "  
Salix nigra "  
Phlox "  
Cone flower "  
Fallugia paradoxa "  
Opuntia engelmanni (red) "  
Dalton Cr. 7000  
Cucurbita nigrifolia "  
Rhus aromatica  
Ampelopsis



Aug. 26 Camp San 6800

Rowe

*Clome integrifolia*

*Gutierrezia euthamiae*

Fulton

6500

*Opuntia arborescens*, com.

*Lycium pallidum*

*Cnicus nodulatus*?

*Eurotia lanata* 1

*Solanum*

- blue

yellow

*Gaillardia*

*Gutierrezia macroflora*?

*Dalia*

*Yucca* 2

Camp near Rivera

6100

*Mammillaria* 3 sp.

Aug. 27, Camp

6050

Rivera

6000

*Eriogonum*

*Asclepias* big

Summit of ridge

6300

Camp above Bernal

6350

Top of mesa

7000

*Eutimias*

*S. grammurus*

*Lepus pinetis*

*Pinus ponderosa*

*Quercus v. imbr.*

larger bay " 7400

Aug. 28 Camp 8.

6200

Tecotote

Las Vegas

Camp at Harris' Dairy ranch.

*Gutierrezia euthamiae*  
(big flowered?)

*Helianthus annuus*

*Aster multiflorus*

*Gaillardia* blue

*Camphorospha* 3 sp.

*Grindelia rotundifolia*

*Cnicus nodulatus*?

*Verbeena*

*Melospiza coccinea*

" *menziesii*?

*Solanum* *spanosum*

" blue

*Xanthium*

" *spanosum*

*Sporobolus* red.

*Liatris*

*Stipa robusta*?

*Gramma*

*Alumina*

*Buckhorn*?

*Festuca*?

*Oenothera frugosa*

" *filifolia*?

*Opuntia missouriensis*?

*Mammillaria*

*Yucca glauca*.



Phlox  
 Gaura  
 Astragalus  
 Oxytropis  
 Erigeron  
 Chamaenerion  
 Ambrosia

Sept. 1 Las Vegas 1 P.M.

Camp 21.10 mi.

Petalostemon vidua?  
 " pubescens?  
 Psoralea argophylla?  
 Dalea, little yellow

Coon Tracks by slough

Badger " " "

Skunk " " "

Eutamias

S. grammurus

Lepus

Onychomys 2

Peromyscus gambeli? 2 on prairie  
 bairdi? 1 " "

S. 13lineatus 1

Sept. 2 - Camp -

Pinus ponderosa com -

Pseudotsuga a few

Pinus edulis com

Juniperus monosperma com

" flaccida - a few

Quercus sinuata

" dwarf sinuata

" gambeli in gulch

Populus tremuloides "

Abies concolor "

Pseudotsuga abn. "

Ribes monianum "

Holodiscus "

Spiraea bush - 2 sp. "

Physocarpus torreyi? "

Amelopsis "

Rubus strigosus "

Populus angustifolia in gulch below

Rhus "

Rubus? spatulata in gulch

Hop - "

Symphoricarpos aspidotrichus "

Rhus toxicaria "

Peromyscus, Tharomys, S. 13lineatus

S. grammurus, Lepus pinetis,

Sept. 3, Sapello

Camp 10 mi. S. of Mora -

Sept. 4. Willer back to Las Vegas



Sept 5

Camp

Rosario = Rincon

Perasco Blanco

Carmes

Mora

7200

La Cueva + 2 mi. beyond.

Camp by pond

Sept 6, Sunday.

Camp + up Coyote Cr. 7150

Coyote

"

Turqui + half a mile beyond

Camp

7600

Pinus ponderosa

Pseudotsuga N.E.

Abies concolor "

Quercus gambeli

" prinoides?

Psoralea

Petalostemon 3

Hop

Rosa blanda? in flower

Quercus J. n. ? S.W. 7700

" " "

Pinus edulis a few "

Juniperus 2 sp. "

Grindelia

7600

Rhus arvensis

"

Helianthus annuus

"

Sept. 7. Camp

7600

Guadalupe

7650

East of upper Sonoran S.W. 7700

P. ponderosa 7500 SW-

Pseudotsuga 7500 NE-

Abies

" "

Populus tremuloides 7800 NE

Quercus gambeli 7500 SW-7700

" prinoides? 7650

Alnus on creek 7700-

Sax. Mills 7900

Populus angustifolia on creek 7800

Picea pungens N.E.

Camp, 3 mi. above Mills, 8000

Picea pungens

Ribes d. irriguum 8000

" monicae "

" cereum "

8700

Salix cordata

" 7000

Shepherdia canadensis 8000-9000

Apocynum androsaemifolium " - 9000

Symphoricarpos oregonus 7500-9000

Spirea

" "

Physocarpus 8000-

Rosa 7500-9000

" "

Potentilla fruticosa N.E. 8000, 9000

" "

Rubus nutkanus 8000-



*Rubus strigosus* 7500 - 9000  
*Fragaria speciosa* 7800 - 9000  
*Castilleja* <sup>travelling</sup> 8000 - 9000  
*Marguerite* 7800 - 8700  
*Schelago* 8000 - 9000  
*Gilia aggregata* 7500 - 8700  
*Pentstemon bridgesii* " "  
*Companula* <sup>planiflora</sup> <sup>naiflora</sup>? 8000 - "  
 " <sup>blue</sup> 7500 - "  
*Achillea millefolium* "  
*Fragaria glauca* 8000 "  
 " <sup>vesca</sup> "  
*Eriogonum mucronatum* " 770  
*Cereus* (red) on rocks  
*Yucca baccata*, a few on rocks  
*Berberis repens* 8000 - 8000  
 " <sup>spatulata</sup> "  
*Ceanothus fendleri* 8000 - 9000  
*Etiopis robusta*  
*Gramma* 8700  
*Corylus undulata*? 7 - 7700  
 " <sup>white leaf</sup> 7700 - 9000  
*Cornus asperophylla* 9000  
*Prunus virginiana* 9000  
*Pinus flexilis* 1 small tree, 8000 - 9000  
*Sidalcea* 8000 - 8700  
*Vitex* 8700  
*"Helianthella laciniata"*  
*Aster* <sup>big purple</sup> 7500 - 8700

Sept. 9. Camp 12 7900

Mesa Top 8500  
 Blackhawk Camp 8400

*Ipus pinctus*, 1 seen  
*Cynomys guineensis*, numerous  
*Procyon*, tracks in canyon  
*Taxidea*, obs. 1 seen, <sup>holosch.</sup>  
*Canis latrans*, heard  
*S. latralis*, com. 1  
*Eutamias* com  
*Sciurus harrisi* com  
*Peromyscus leucopus*, 3 caught  
*Microtus agrestis*? 1. com.  
*Odocoileus* tracks in cañon  
 No *Thomomys*.

Sept. 10 Camp 8400  
 Martinez  
 Top of ridge 8700  
 (Camp 6 mi. 8700)

East end of Marino Valley  
*Pachystima* 8700 <sup>N.E.</sup> -  
*Wyethia* like *amphicarpa* 8700 NE -  
*Veratrum* (a few) (8200 NE) 8700 NE -  
*Guthriea sinuata*, in meadow, 8400  
*Aconitum* 8700 NE -  
*Sambucus* " "  
*Antennaria dioica*, <sup>fairy rings</sup> "  
 " "  
*Acer glabrum* 9



Sept. 12, Camp 8700  
Down Morino Valley  
Taos Pass Camp 8700

Sept. 13, Sunday -  
Embarked to Taos

Sept. 14,  
*Linnaea borealis*, N.E. 8700 -  
*Vaccinium microphyllum* 9000 -  
*Amelanchier*  
*Cercocarpus* S.W. at 9000.  
*Picea engelmannii*

Sept. 15 Down Valley to near  
Elizabethtown 8700

Camp 8800

Sept. 17 Camp 8800  
Up slope of Taos Mts  
Edge of submont timber 11000  
*Picea engelmannii* 11000 - 12000 SW  
*Abies concolor* 8800 NE - 12000 SW  
*Pinus aristata* 11000 ~~12000~~  
*Salix "alpina"* 11000 - 12000  
*Potentilla fruticosa* - 12100  
*Gentiana parryi* 11500 + 1200  
*Castilleja* red 11400  
" yellow 11400 - 12000  
Left horse 11400  
*Wyethia (like amplipetala)* - 12000  
*Fragaria speciosa* at 11500 - 1200  
*Potentilla gracilis?* - 12000

"  
*Gentiana parryi* 11000 - 12000  
*Achillea* - 12200  
*Antennaria alpina* 11500 - 12200  
*Arenaria alpina* " " "  
*Trifolium* 11200 - Top  
*Ribes oxycanthoides* 11400 - 12000  
*Erigeron* 11400 - 12200  
*Salix* big red 11400 - 12200  
" douglasii? 11400 -  
*Polemonium* " (dark) " - 12200  
*Saxifraga?* (rosette) 11800 - 12200  
*Hemerocallis?* small " - 12000  
*Delphinium* - 11800  
*Eubaldia procumbens* 11500 - 12200  
*Orthocarpus* pink 11800 - 12200



<i>Helenium</i> <i>hispidum</i> !	11800 - Top
<i>Etranga tinctoria</i>	12000 SW.
<i>Myosotis alpestris</i>	12000 - Top
<i>Juniperus</i> <i>Rossii</i>	" "
<i>Myrtus</i> <i>sinensis</i>	" "
<i>Silene acaulis</i>	" "
<i>Cymophorus</i>	" "
<i>Hieracium</i> ? big	" "
<i>Solidago</i>	" "
<i>Phlox douglasii</i>	" "
<i>Polygonum bistorta</i>	12000
<i>Vaccinium microphyllum</i>	11500
back to base	
Park	11150
<i>Populus tremuloides</i>	- 11150 <sup>SW</sup>
<i>Juniperus communis</i>	- "
<i>Veratrum</i>	- "
<i>Pseudotsuga</i>	- 10400 <sup>SW</sup>
<i>Padus</i> <i>virginiana</i>	- "
<i>Pinus ponderosa</i>	- 9400 <sup>SW</sup>
<i>Acer glabrum</i>	- " "
<i>Rubus strigosus</i>	- " "
<i>Berberis repens</i>	- " "
<i>Arctostaphylos</i>	- " "
<i>Pinus flexilis</i>	- " "
<i>Shepherdia</i>	- " "
<i>Salix cordata</i>	- " "
<i>Ceanothus</i>	- " "
<i>Quercus gambelii</i>	- " "
<i>Ribes viscidissimum</i>	- " "

<i>Cercocarpus</i>	- 9400 <sup>SW</sup>
<i>Abies concolor</i>	- "
<i>Amelanchier</i>	- "
<i>Picea pungens</i>	- 9000
<i>Alnus incana</i>	
<i>Linnaea borealis</i>	8700 - 9400 <sup>NE</sup>

~~Spt. 18 Camp 8900~~  
~~Went up Cimarron Mts.~~  
~~Valley 8850~~  
~~*Pinus ponderosa* - 9400<sup>SW</sup>~~  
~~*Arctostaphylos uva-ursi* - " SW~~  
~~*Populus tremuloides* - 11000~~  
~~*Abies lasiocarpa* 11700~~



Sept. 20 Camp 9 8800

~~Rancho~~ - Herberger 8850

Moreno Valley - road 8800

*Bigelovia tortifolia*

" *douglasii*?

" *canescens*?

" *albicans*?

*Gutierrezia*

*Tetradymia*

*Artemisia frigida*

" *trifida*?

" *ledovicianae*

*Eriogonum*

*Geranium*

*Sisyrinchium macrodon*

*Gutierrezia*

*Oxytropis*

*Eurotia*

*Antennaria dioica*

10

Creek in valley 8850

Outlet of valley about 8900

Old camp at Pass 8850

Zaas Pass 9150

First ranch 8750

Saw mill 8700

Junipers S. Mt "

Mut pines "

*Populus angustifolia* 8200

Camp 8 miles from Zaas 8400

Sept. 21 Camp, 99m 8100

Upper Sonoran pure SW. 7800

Chadron & N.E. 8100-

Transition N.E. 7500-

Vegetation by creek, 7400

*Forsteria*

*Opuntia arborescens*

" white opened

*Artemisia tridentata* 7300

*Ribes* black 7400

" *cereum*?

Zaas 7000

Camp 7700



Plant Name	Elevation (ft)
Sept. 25, Camp 9,	7800
Mesa at Hondo Canyon	8000
Hondo Canyon, mouth	7800
<i>Populus angustifolia</i>	7800-8500
<i>Betula occidentalis</i>	7300-7900
<i>Prunus virginiana</i>	8100
<i>Spiraea</i>	8100
<i>Ribes</i> black	7700-8000
" cream	8000
<i>Arceuthobium</i>	8100
<i>Falugia</i>	8000
<i>Phylladelphus</i>	"
<i>Cornus</i>	9000
<i>Alnus</i>	9100
<i>Salix cordata</i>	
" <i>nigra</i>	7800
<i>Rosa</i>	8100
<i>Juniperus</i> 2	8100 SW
<i>Pinus edulis</i>	"
" <i>ponderosa</i>	7900-8500
" <i>flexilis</i> 1 at	7900-9100
<i>Pseudotsuga</i>	7900-9100
<i>Abies concolor</i>	" - 9600
<i>Picea pungens</i>	" - "
<i>Quercus gambelii</i>	9100
<i>Ribes strigosum</i>	7900-11500
<i>Aster glaberrimus</i>	9100
<i>Populus trem.</i>	8000-11000
<i>Ribes laevicarpa</i>	8200-12000
<i>Pinus oregonensis</i>	"

Location	Altitude
Upper Sonoran	8450
Transition	8000 <sup>54</sup> - 9100 <sup>54</sup>
Canadian	8200 <sup>70</sup> - 11500
Rubus idaeus	7850 - 8100
Ceanothus	"
Arctostaphylos	9100
Thornapple	9000 - top
Camp	"
Twining (cont. to 9600)	9800 <sup>7</sup>
Meadow	3 mi. 10900
Horses left	11200
Top of big moraine	11600
Lake	11700
Herodias zone	"
Ribes black	11300
" red	"
" blue	10800
Twining	10000
Ceanothus	9600
Mouth of canyon	8200
Mesa	8400
Camp 7 P.M.	8200



Oct. 1. Taos, 4:30 A.M.

Rio Grande canyon  
*Atriplex canescens* in canyon  
*Ptelea trifoliata* "  
*Betula occidentalis* "  
*Tetradymia* -

## Tres Piedres

Oct. 2

Tres Piedres to Santa Fe  
Barranca, top of canyon 6900  
Embuda, at river - 5800  
Santa Clara Pueblo  
San Juan Pueblo  
San Ildefonso "  
Santa Fe -

Oct. 3 Left Santa Fe 9:30 P.M.

Oct 4, Trinidad, 7:30

La Junta

Pueblo

Canyon City - 7 P.M.

Oct. 5 -

Canyon City, + 1000 ft above -

*Bureau gambeli* (high up)

*Pinus edulis*

*Juniperus* - 2 -

*Greocarpus parvifolius*

*Rhus aromatica*

*Populus monilifera*

*Salix nigra*

*Vitis*

*Yucca glauca*

*Opuntia arborescens*

" (*bispinosa*)

" (*white spined*)

*Cereus*

*Mammillaria*

*Bigelovia*

"

*Pseudophyllon* ?

*Fallugia*

*Spiraea*

*Eriogonum* 2 sp.

*Rhus toxicodendron*

*Glycerhiza lepidota*

*Atriplex canescens*

*Cercocarpus confertifolia*

*Ptelea trifoliata*

*Mentzelia* 2

*Ribes aureum*, a little,

*Chenopodium*

*Phragmites*

*Celtis*

on rocks

*Ceanothus*  
*Sarcobatus*



Canyon City Oct 5+6

- Pica hudsonica 475 1
- Cyanocitta 478 1
- Aphelocoma 480 1
- Pipilo megalonyx com.
- Myadestes abu.
- Abtragalinus "
- Merula m. propinqua "
- Sialia arctica 1
- Passer domesticus abu.
- Cyanoccephalus hard

Eutamias  
Spermophilus grammurus  
Perodipus  
Perognathus  
Peromyscus  
Neotoma

Oct. 7 Canyon City - 8 am

Pueblo,

Denver

Boulder

Gold Hill - 8 P.M.

Gold Hill Oct. 8, 8300

Gale's place 7500

Pinus ponderosa - 8300+

" murrayana 8000<sup>NE</sup>

Pseudotsuga 7500<sup>NE</sup>

Picea " -

Populus tremuloides " -

" angustifolia - 7500

Acer glabrum - 8000

Betula occidentalis - 7300

Juniperis procida? a few - 7300

Salix

Amelanchier -

Spiraea

Physocarpus

Cercocarpus

Ribes cereum? -

" aureum - 7300

Arctostaphylos uva-ursi<sup>7300</sup> - 8300+

Berberis ripens - 8300+

Agave thurberi

Alnus

- 7400

Prunus

black cherry -

black

600

Rice

July 1, allowance

July 1, expended \$514.89



Salina Oct. 18, 1895-6571

Boulder, Oct 10-11, 5400  
Oct. 11 To Denver  
Pueblo

Oct. 12 to Kansas City,  
Oct. 13, to Chicago  
Oct. 14, to Elk River  
Oct.

*Myiops*  
*Neotoma*

Oct. 7 Canyon City - 8 am  
Pueblo,  
Denver  
Boulder  
Gold Hill - 8 P.M.

Transportation orders 1903.

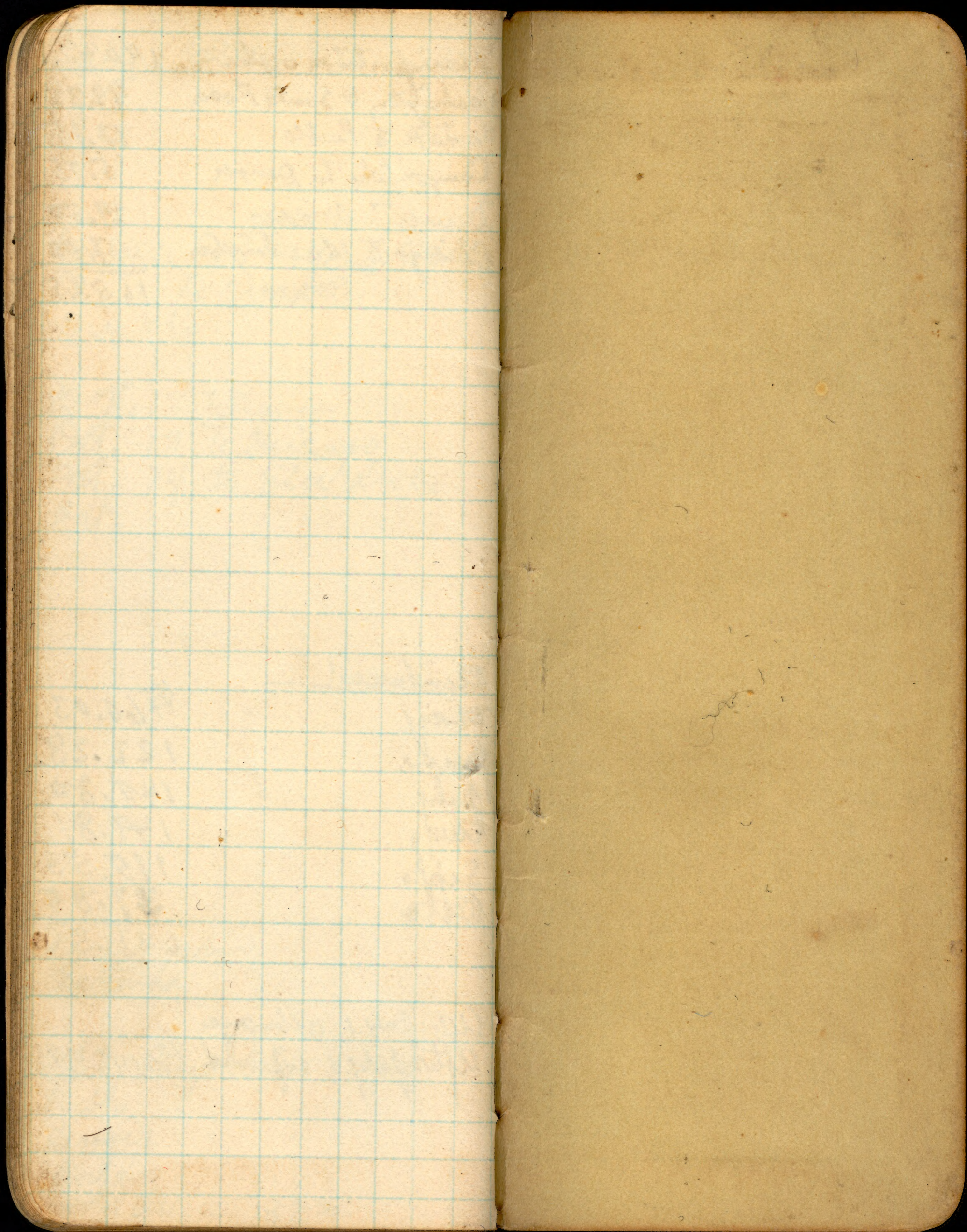
Washington & Santa Rosa	49.35
Santa Fe to Pueblo	13.15
Canyon City to Denver	5.75
Denver to Chicago	29.50
Chicago to Washington	17.50
	<hr/> 115.25

Reimbursed

May	\$60.03
June	122.28
July	145.80
Aug.	149.81
Sept.	115.53
Oct.	37.85
	<hr/> 631.30

After July 1, allowance  
After July 1, expended \$514.89







P.B. Otero, Warden

Miguel A. Otero Gov.

Bert Phillips, Taos, N.M.

Frank Staplin, Taos (With Phillips)

Douglas, Ethnologist, Taos.  
artist, Taos.

William M. Kean, Taos,  
Attorney & surveyor & miner

W.M. Adair - Merchant  
Taos, N.M.

John D. Archuleta,  
Taos, N.M., in his Piedad

Antonio Powers, Taos

Mrs. Nelson, 612 Marion Ave.  
Canyon City, Colo.

Denis Gale, Rowena, Colo.

William Thompson,  
Madison, W. Va., Boone Co.

J.S. Merriam - 209 W 56  
Office 41 Liberty

Dr. Harden 1132, Com. Ave.

Caswell 1204, K.

Ball - Photo, 465 B. Ave.

Ellis - 1604 - 13th St

no H

Brunton

3989

Spring - other box

Walter H Merriam

417 W 114th

Geo. R. Shaw

Arnold Arboretum,  
Jamaica Plain, Mass.

no



